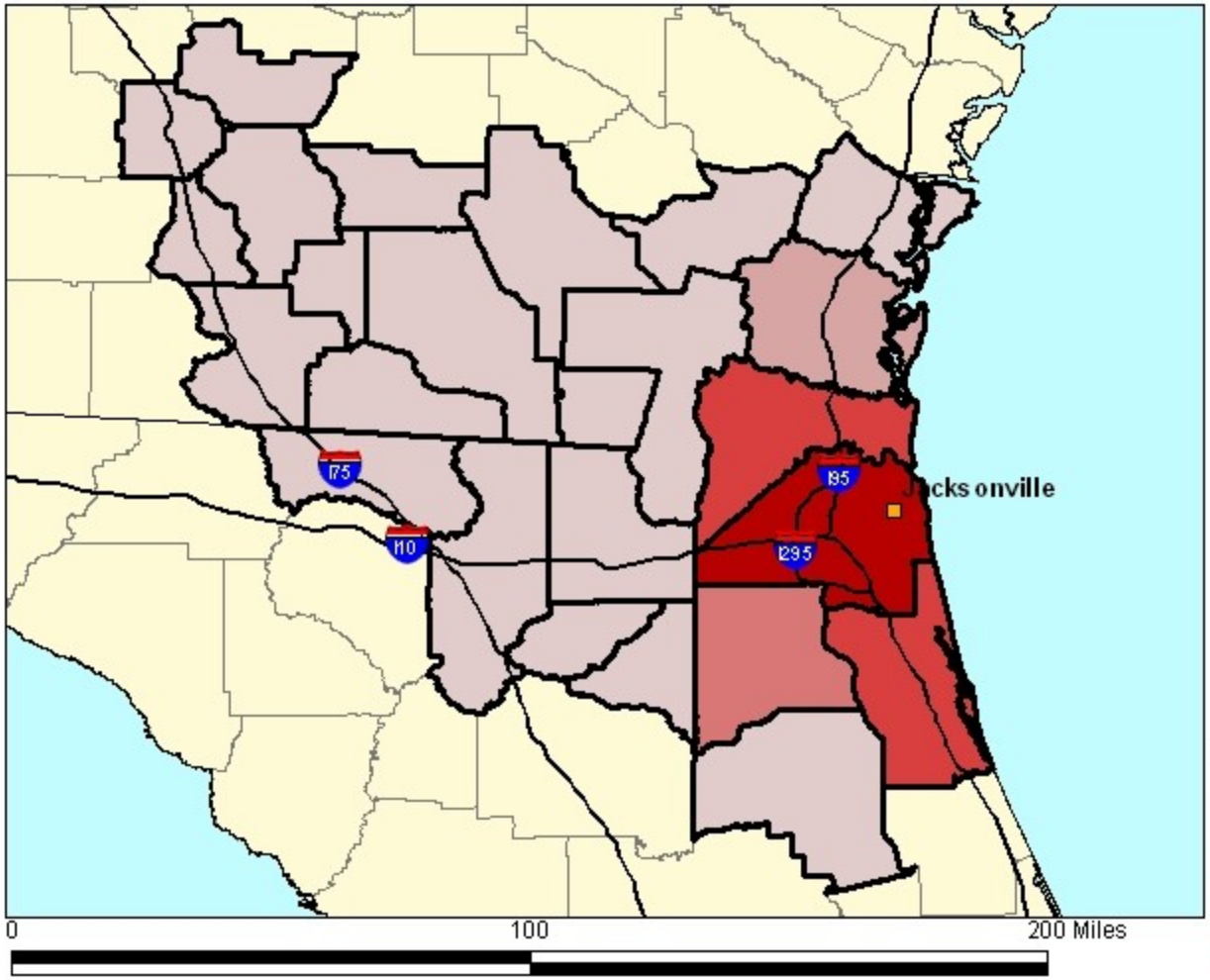
US Army Corps of Engineers

Hurricane Exercise Debris Model

Landfall Expected In About **4** Hours

For Official Use Only!



Post Landfall Debris Model Results

Florida - 13,229,000 Yards
Georgia - 278,000 Yards

Model results per county on following page

This model is based on a Category 3 storm making landfall near Jacksonville, FL.

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 3 storm making landfall near Jacksonville, FL. These projections are based on information from the NHC (1300 EDT 06/05/2007) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Debris Model	
Generated By: Siemsen, LRL 1330 EDT 06/05/2007	
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US Army Corps of Engineers

Hurricane Exercise Debris Model

Landfall Expected In About **4** Hours

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State	Yards per State	County	Yards per County
Florida		Baker	54,000
		Bradford	< 1,000
		Clay	381,000
		Columbia	4,000
		Duval	11,684,000
		Hamilton	< 1,000
		Nassau	592,000
		Putnam	< 1,000
		St Johns	514,000
		Union	< 1,000
Florida	13,229,000		
Georgia		Atkinson	2,000
		Berrien	12,000
		Brantley	< 1,000
		Camden	128,000
		Charlton	42,000
		Clinch	24,000
		Cook	4,000
		Echols	6,000
		Glynn	24,000
		Irwin	< 1,000
		Lanier	6,000
		Lowndes	5,000
		Tift	4,000
		Ware	21,000
Georgia	278,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

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Hurricane Exercise Debris Model

Generated By:
Siemsen, LRL 1330 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Population Model

Landfall Expected In About **4** Hours

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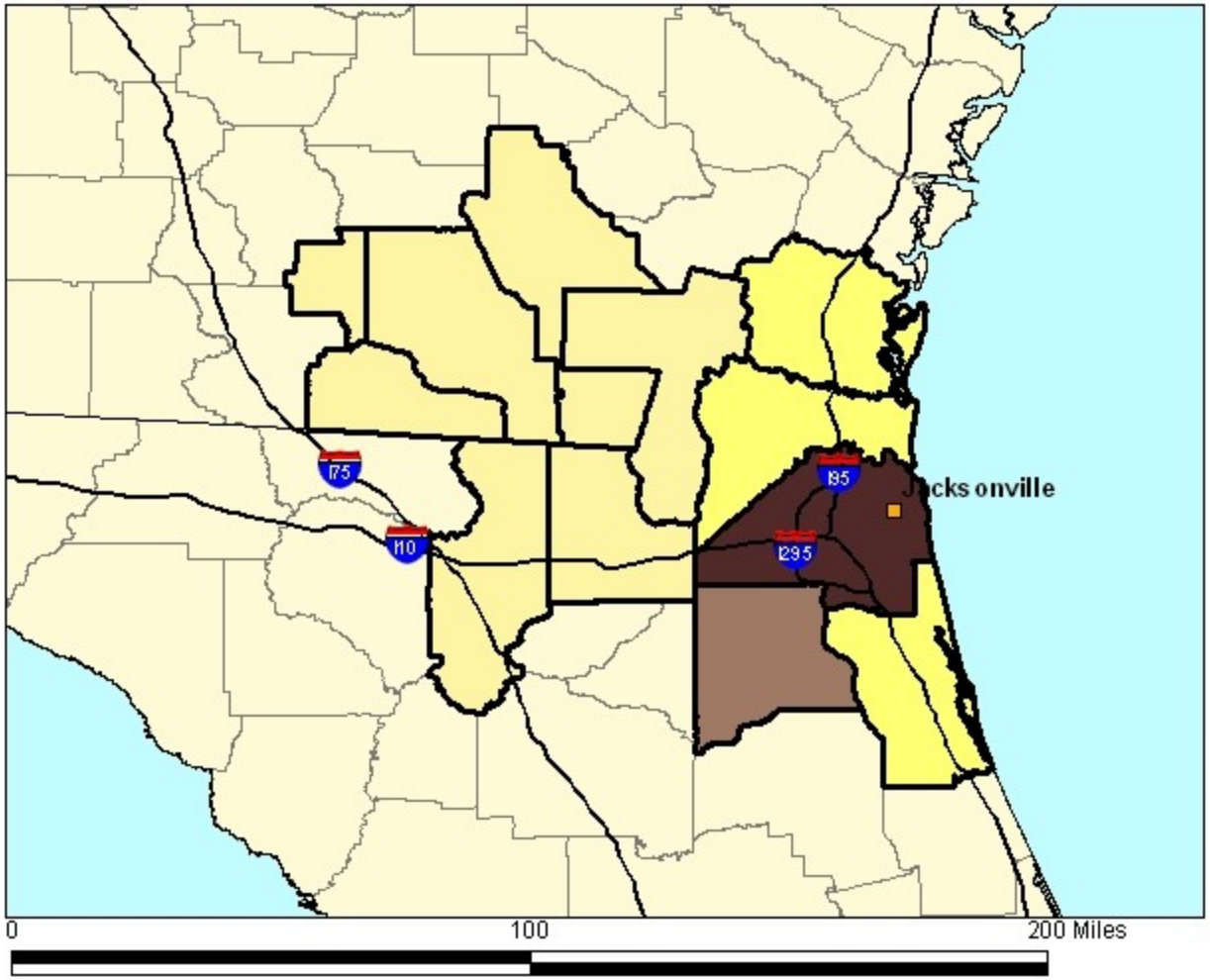

Post Landfall Population Model Results

Florida - 1,106,000
Georgia - 46,000

Model results per county on following page

This model is based on a Category 3 storm making landfall near Jacksonville, FL.

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 3 storm making landfall near Jacksonville, FL. These projections are based on information from the NHC (1300 EDT 06/05/2007) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Population Model	
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Sources: HURREVAC LRL-DEBRIS	Page 3 of 12

US Army Corps of Engineers

Hurricane Exercise Population Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	Population per State	County	Population per County
Florida		Baker	13,000
		Clay	112,000
		Columbia	< 1,000
		Duval	827,000
		Nassau	65,000
		St Johns	89,000
Florida	1,106,000		
Georgia		Camden	36,000
		Charlton	4,000
		Clinch	3,000
		Echols	< 1,000
		Lanier	< 1,000
		Ware	3,000
Georgia	46,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2005 values.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

Hurricane Exercise Population Model

Generated By:
Siemsen, LRL 1330 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Households Model

Landfall Expected In About **4** Hours

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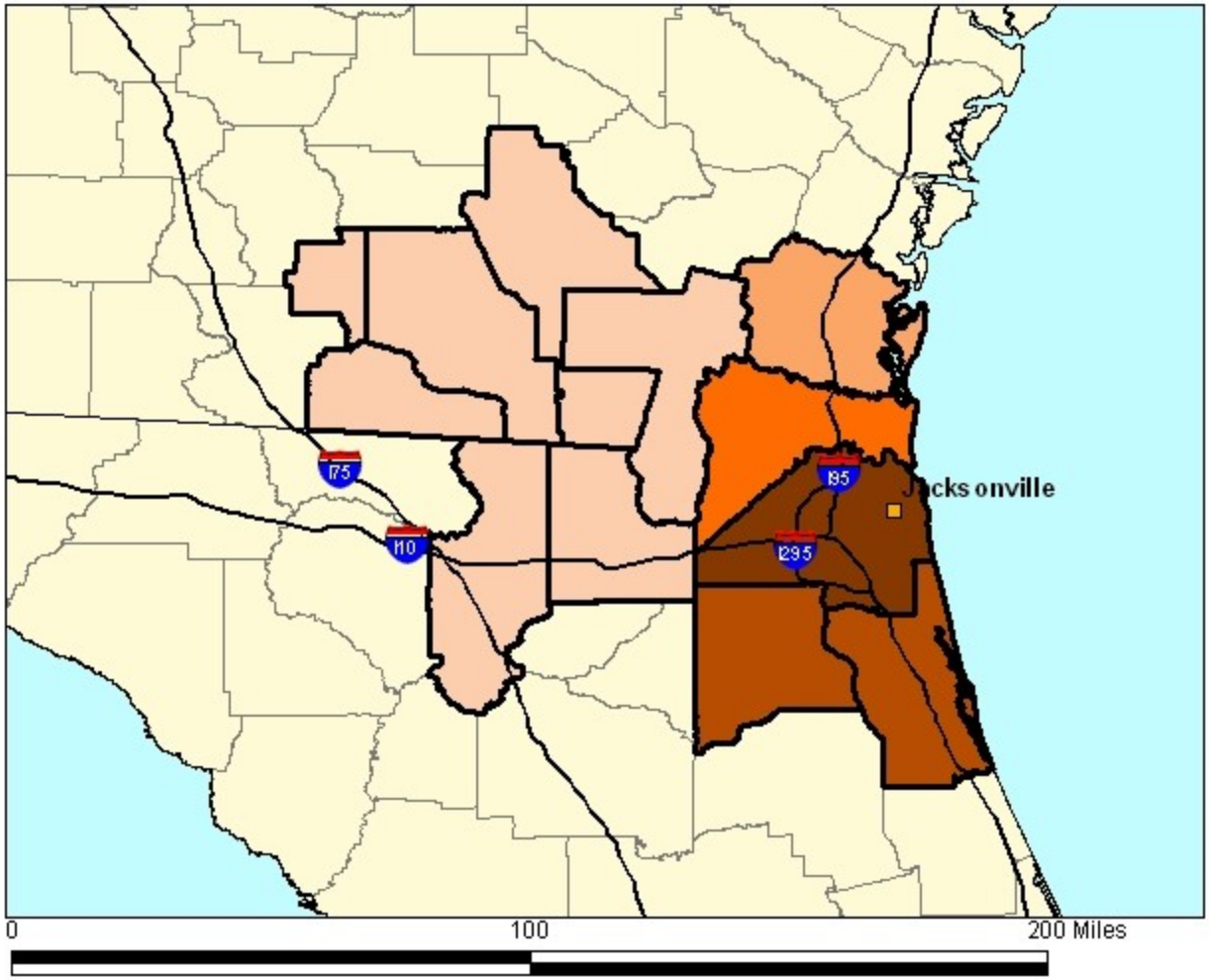

Post Landfall Households Model Results

Florida - 429,000
Georgia - 16,000

Model results per county on following page

This model is based on a Category 3 storm making landfall near Jacksonville, FL.

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 3 storm making landfall near Jacksonville, FL. These projections are based on information from the NHC (1300 EDT 06/05/2007) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Households Model	
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US Army Corps of Engineers

Hurricane Exercise Households Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	Households per State	County	Households per County
Florida		Baker	5,000
		Clay	40,000
		Columbia	< 1,000
		Duval	323,000
		Nassau	25,000
		St Johns	36,000
Florida	429,000		
Georgia		Camden	12,000
		Charlton	2,000
		Clinch	< 1,000
		Echols	< 1,000
		Lanier	< 1,000
		Ware	2,000
Georgia	16,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2005 values.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Households Model

Generated By:
Siemsen, LRL 1330 EDT 06/05/2007

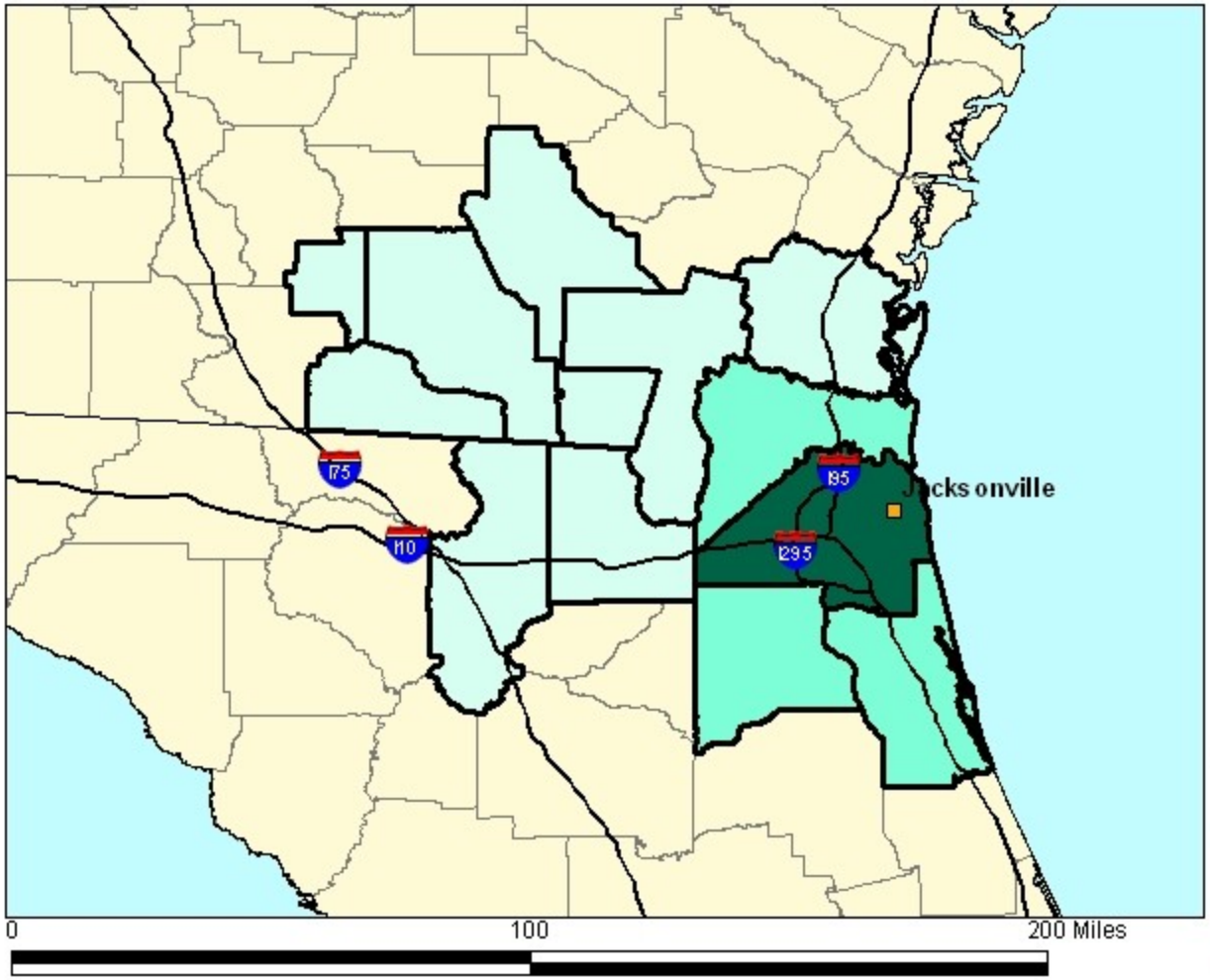
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Commodities Model

Landfall Expected In About **4** Hours

For Official Use Only!



Post Landfall Ice/Water Model Results

Day One / Day Two / Day Three
FL – 50/92/92 Truckloads
GA – 2/4/8 Truckloads

Model results per county on following page

This model is based on a Category 3 storm making landfall near Jacksonville, FL.

Commodities
- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 3 storm making landfall near Jacksonville, FL. These projections are based on information from the NHC ***(1300 EDT 06/05/2007)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input. The graphic represents single day needs with full distribution system in place and operating.
Details about this model may be obtained at **https://englink.usace.army.mil**
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Hurricane Exercise Commodities Model	
Generated By: Siemsen, LRL 1330 EDT 06/05/2007	
Sources: HURREVAC LRL-DEBRIS	Page 7 of 12

US Army Corps of Engineers

Hurricane Exercise Commodities Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	Truckloads per State	County	Truckloads per County
Florida		Baker	1
		Clay	9
		Columbia	1
		Duval	67
		Nassau	6
		St Johns	8
Florida	92		
Georgia		Camden	3
		Charlton	1
		Clinch	1
		Echols	1
		Lanier	1
		Ware	1
Georgia	8		

The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system. The assumption in this scenario is that 40% of the resident population affected by the hurricane will have power outage in this area and cause a need for ice and water.

Details about this model may be obtained at **https://englink.usace.army.mil**
or contact ENGLink at 1-877-936-4546

Hurricane Exercise Commodities Model

Generated By:
Siemsen, LRL 1330 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Temporary Housing Model

Landfall Expected In About **4** Hours

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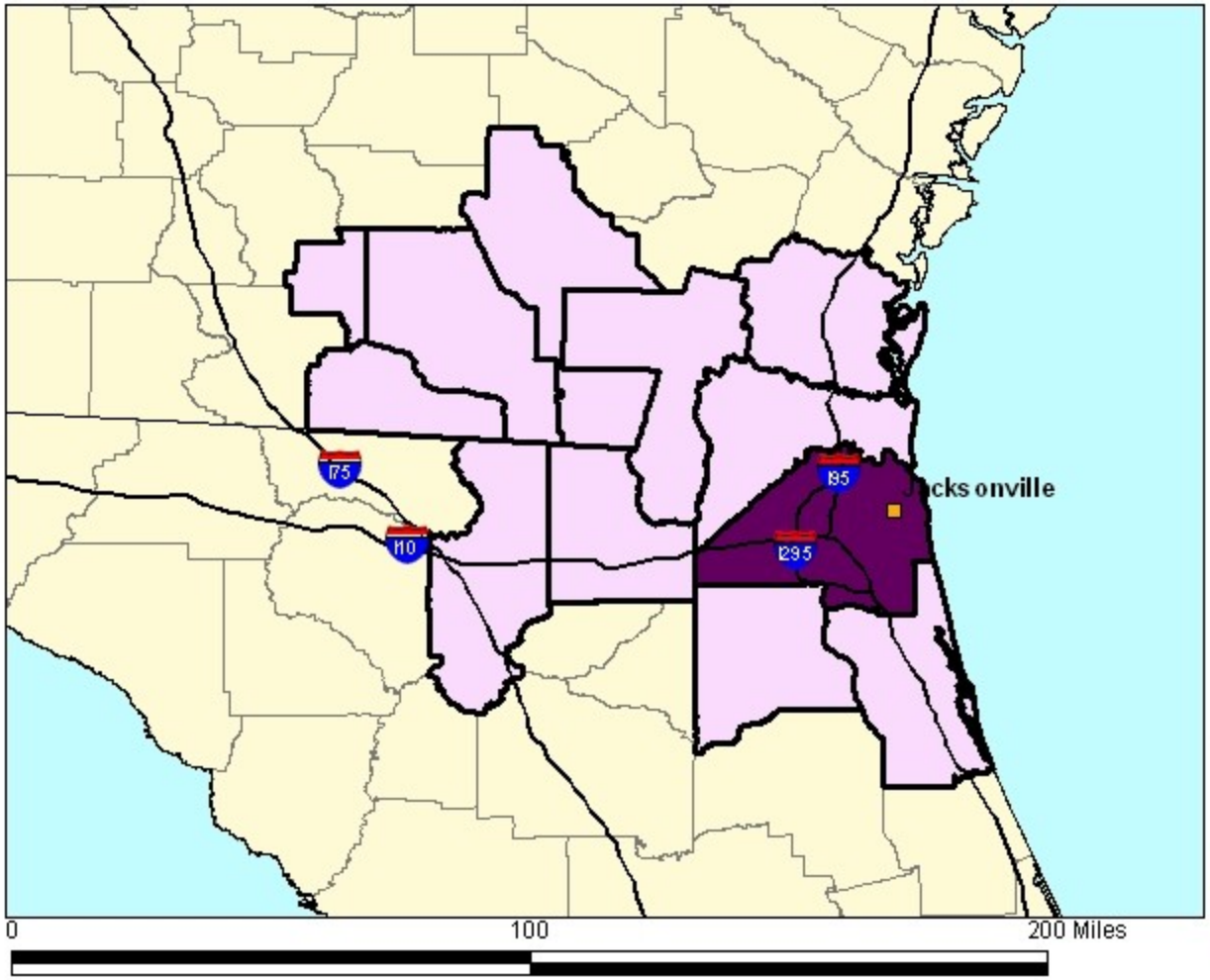

Post Landfall Temporary Housing Model Results

Florida - 12,100
Georgia - 200

Model results per county on following page

This model is based on a Category 3 storm making landfall near Jacksonville, FL.

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall near Jacksonville, FL. These projections are based on information from the NHC (1300 EDT 06/05/2007) forecast. Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

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US Army Corps of Engineers

Hurricane Exercise Temporary Housing Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	per State	County	per County
Florida		Baker	< 100
		Clay	400
		Columbia	< 100
		Duval	10,200
		Nassau	800
		St Johns	700
Florida	12,100		
Georgia		Camden	200
		Charlton	< 100
		Clinch	< 100
		Echols	< 100
		Lanier	< 100
		Ware	< 100
Georgia	200		

THIS IS AN EXPERIMENTAL MODEL!!

Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

Hurricane Exercise Housing Model

Generated By:
Siemsen, LRL 1330 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Temporary Roofing Model

Landfall Expected In About **4** Hours

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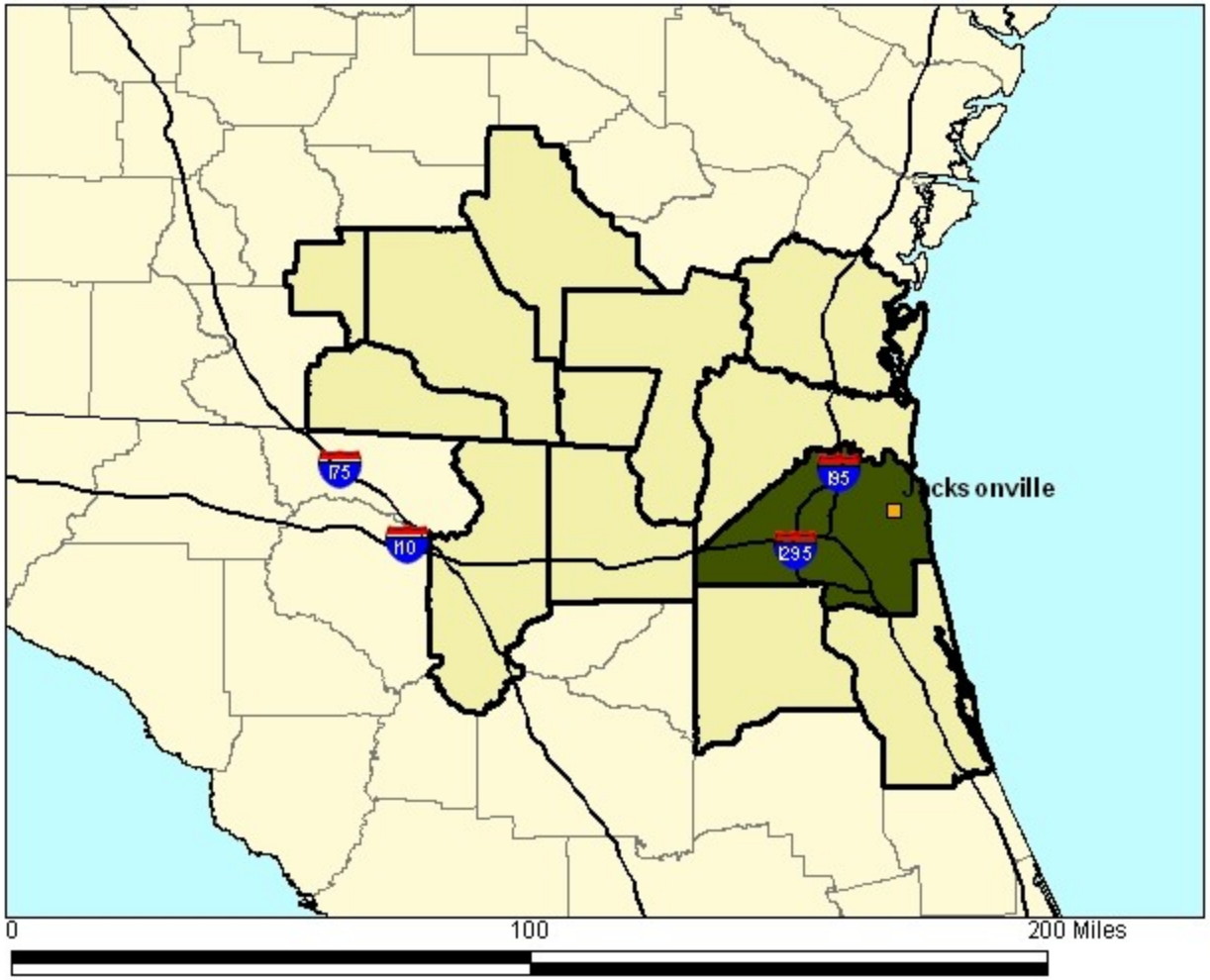

Post Landfall Temporary Roofing Model Results

Florida - 26,600
Georgia - 300

Model results per county on following page

This model is based on a Category 3 storm making landfall near Jacksonville, FL.

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall near Jacksonville, FL. These projections are based on information from the NHC (1300 EDT 06/05/2007) forecast. Temporary roofing is based on 2% in CAT 1, 6% in CAT 2 and 10% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Roofing Model	
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US Army Corps of Engineers

Hurricane Exercise Temporary Roofing Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	House Units per State	County	House Units per County
Florida		Baker	< 100
		Clay	800
		Columbia	< 100
		Duval	22,900
		Nassau	1,500
		St Johns	1,400
Florida	26,600		
Georgia		Camden	300
		Charlton	< 100
		Clinch	< 100
		Echols	< 100
		Lanier	< 100
		Ware	< 100
Georgia	300		

THIS IS AN EXPERIMENTAL MODEL!!

Temporary roofing is based on 2% in CAT 1, 6% in CAT 2 and 10% in CAT 3.

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Hurricane Exercise Roofing Model

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LRL-DEBRIS